

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021635.D
 Acq On : 25 Mar 2025 14:59
 Operator : SY/MD
 Sample : Q1636-15
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Mar 26 01:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

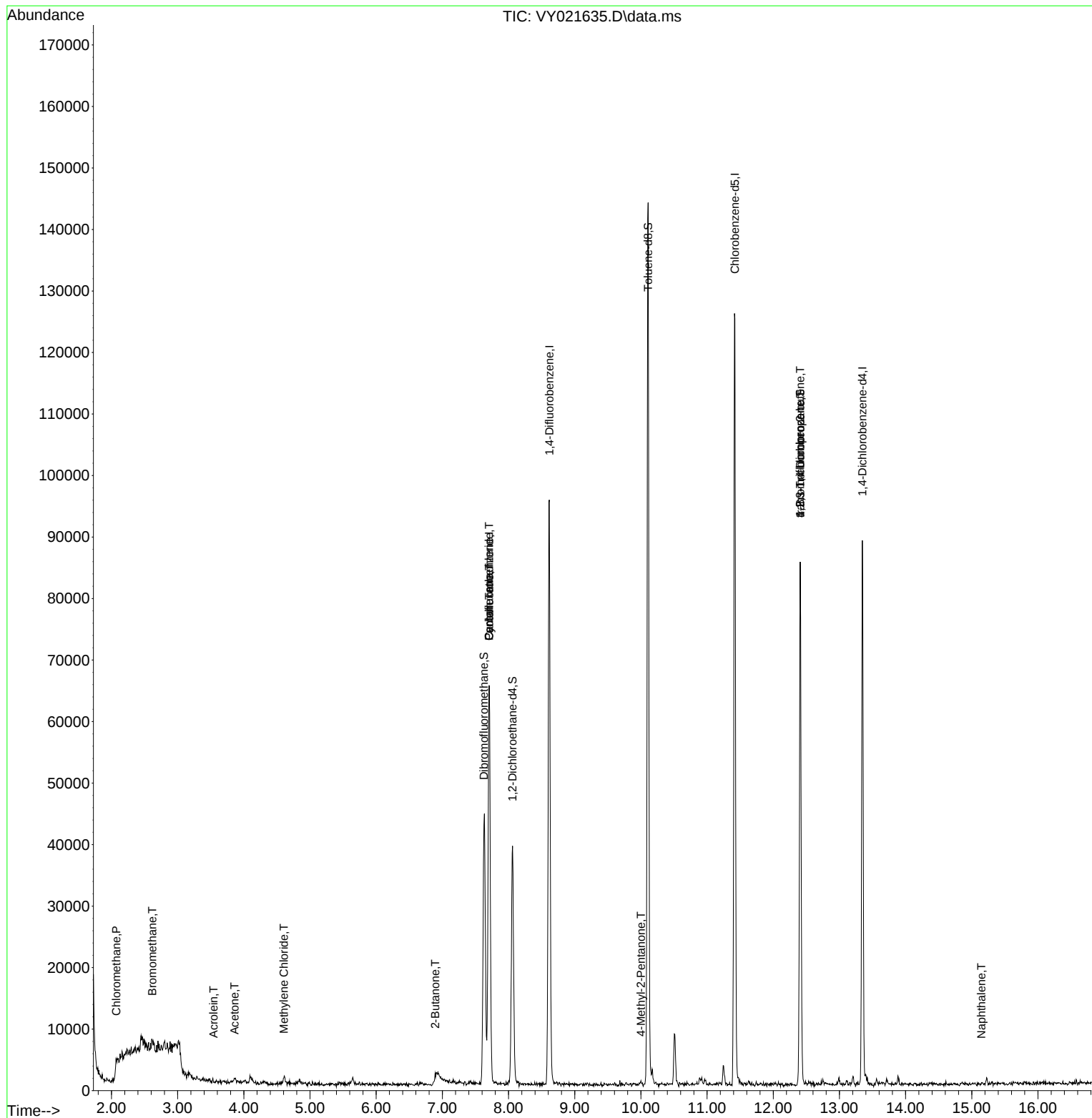
Internal Standards						
1) Pentafluorobenzene	7.707	168	47374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	79432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	68284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	22149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30809	61.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.060%	
35) Dibromofluoromethane	7.628	113	30182	57.807	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.620%	
50) Toluene-d8	10.109	98	94114	47.607	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.220%	
62) 4-Bromofluorobenzene	12.408	95	24320	36.166	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	636	1.038	ug/l #	75
5) Bromomethane	2.617	94	630	1.301	ug/l #	53
11) Tert butyl alcohol	4.848	59	373	Below Cal	#	87
13) Acrolein	3.543	56	61	2.395	ug/l #	10
16) Acetone	3.860	43	1510	13.827	ug/l	92
20) Methylene Chloride	4.604	84	680	1.186	ug/l #	61
25) 2-Butanone	6.890	43	484	3.204	ug/l #	48
31) Cyclohexane	7.707	56	1154	1.231	ug/l #	34
38) Carbon Tetrachloride	7.707	117	5162	5.492	ug/l #	16
51) 4-Methyl-2-Pentanone	10.000	43	519	1.434	ug/l #	83
76) 1,2,3-Trichloropropane	12.408	75	13298	59.581	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	13298	135.446	ug/l #	9
95) Naphthalene	15.145	128	108	1.629	ug/l #	69

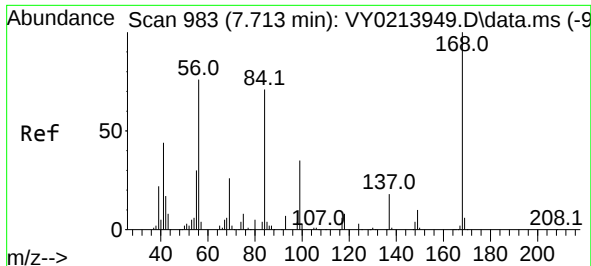
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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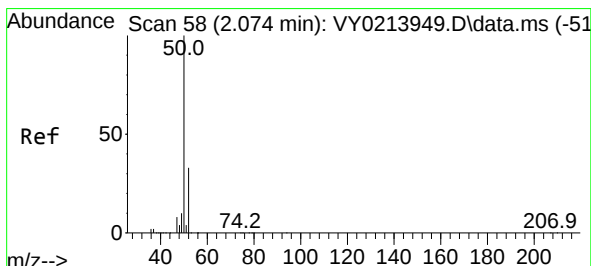
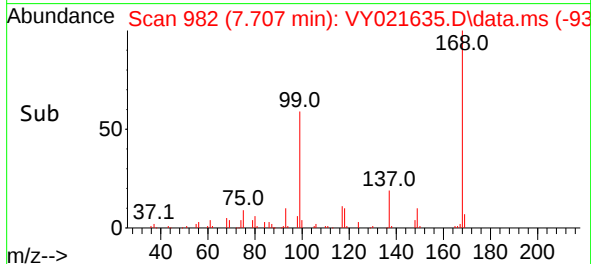
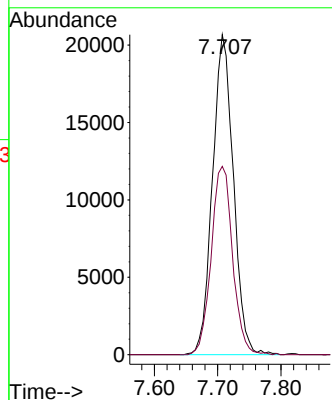
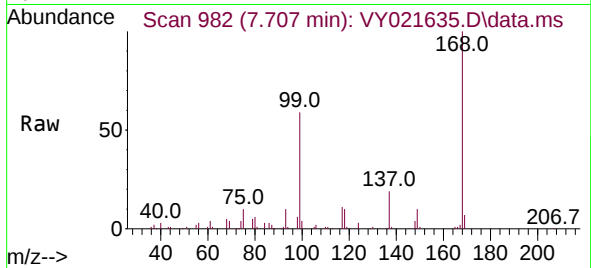




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

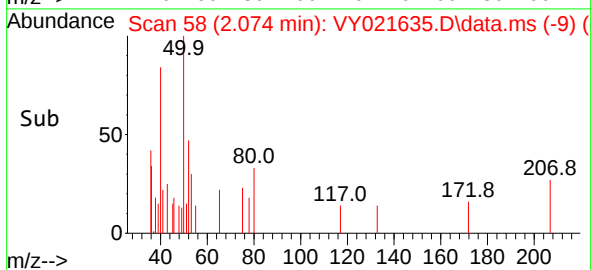
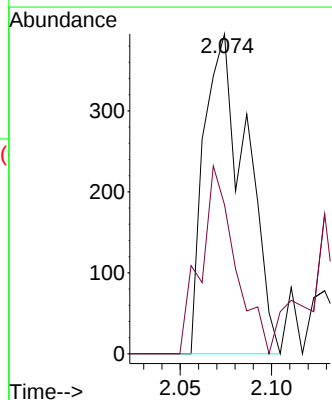
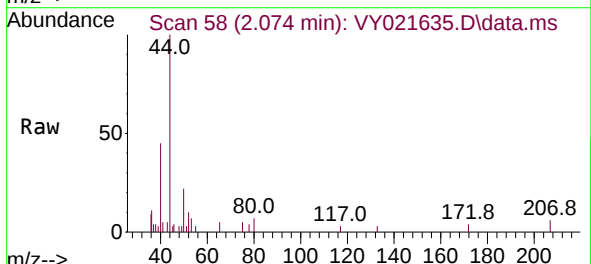
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

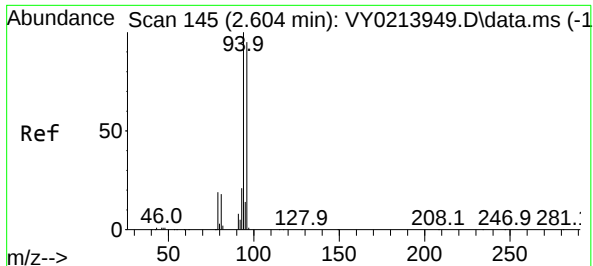
Tgt Ion:168 Resp: 47374
Ion Ratio Lower Upper
168 100
99 58.8 46.0 69.0



#3
Chloromethane
Concen: 1.038 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 50 Resp: 636
Ion Ratio Lower Upper
50 100
52 46.6 26.2 39.2#

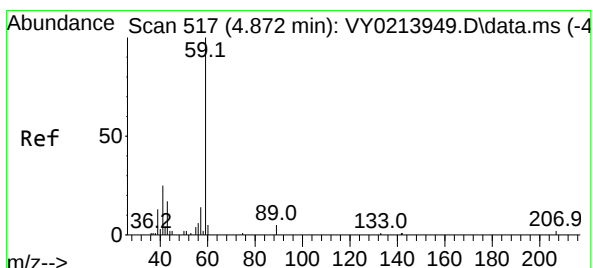
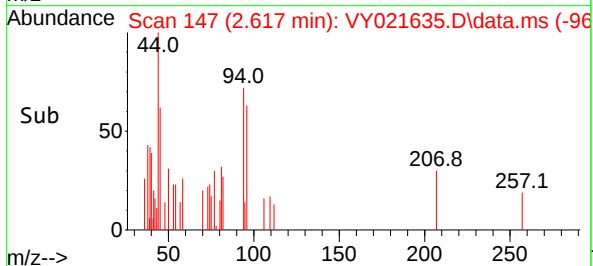
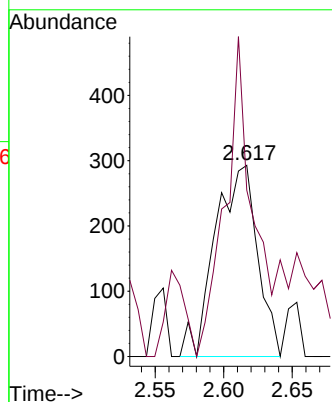
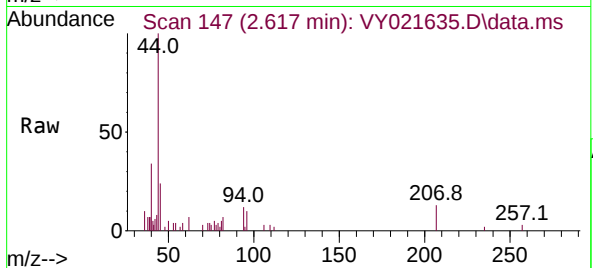




#5
Bromomethane
Concen: 1.301 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.013 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

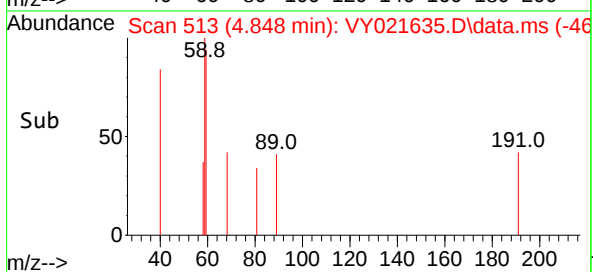
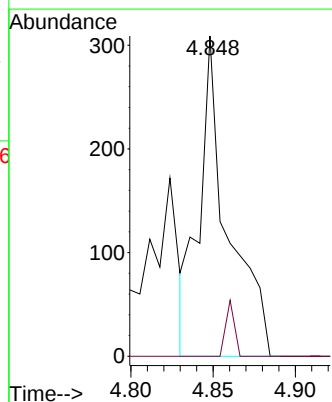
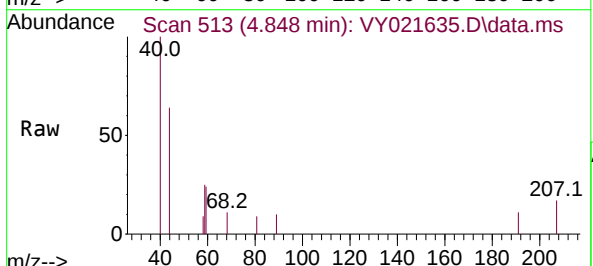
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

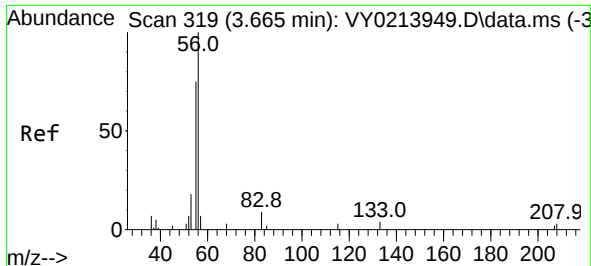
Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 49.8 76.3 114.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.4#

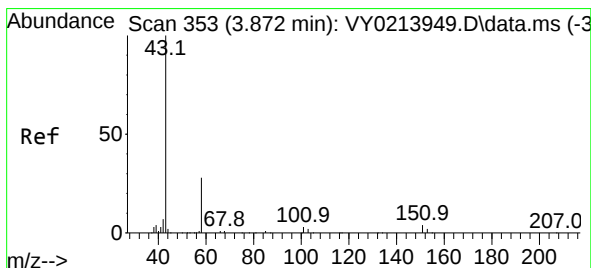
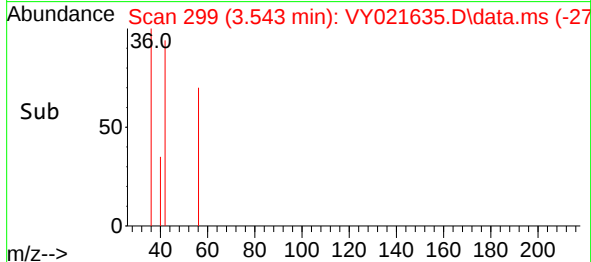
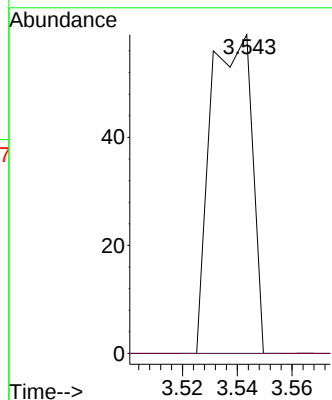
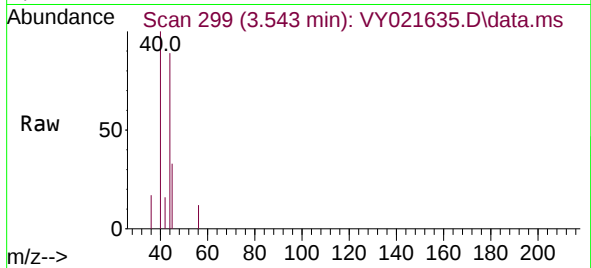




#13
Acrolein
Concen: 2.395 ug/l
RT: 3.543 min Scan# 299
Delta R.T. -0.122 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

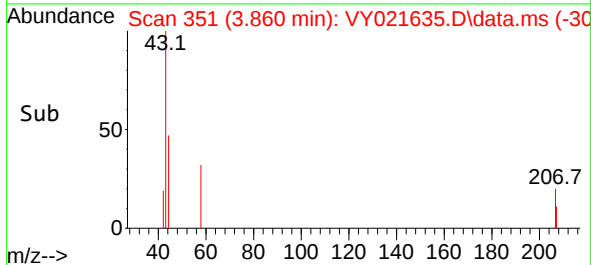
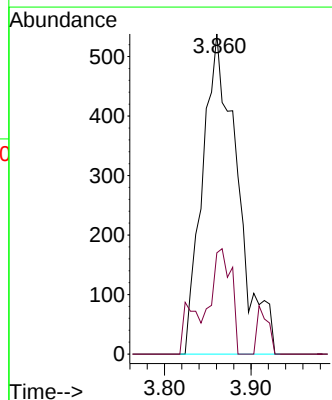
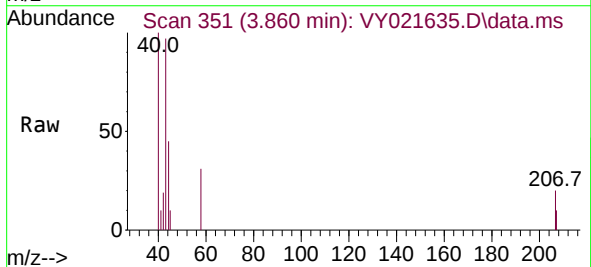
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

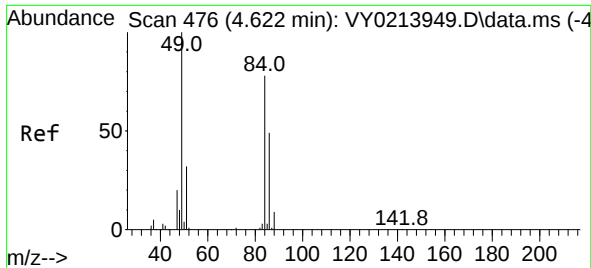
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 63.4 95.2#



#16
Acetone
Concen: 13.827 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 31.6 22.1 33.1

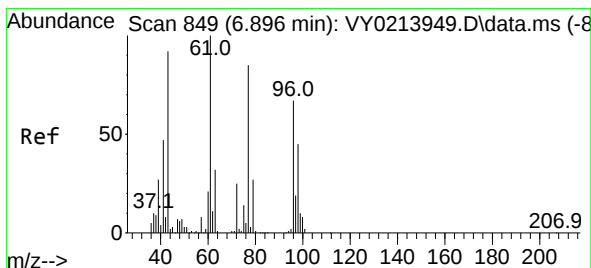
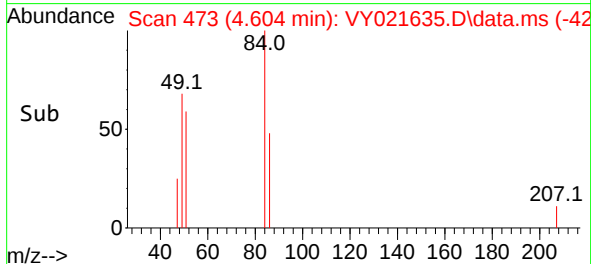
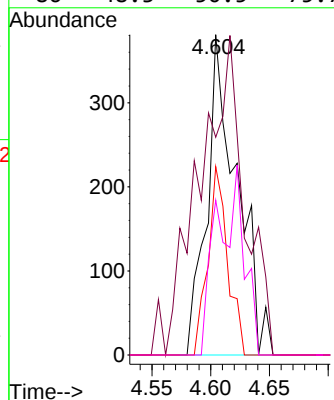
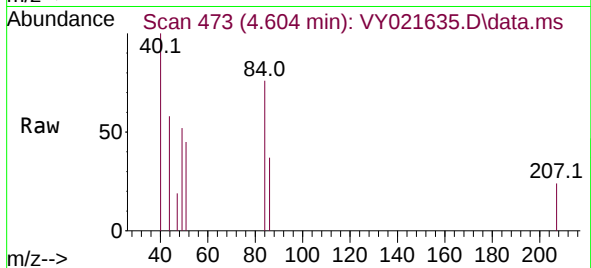




#20
Methylene Chloride
Concen: 1.186 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

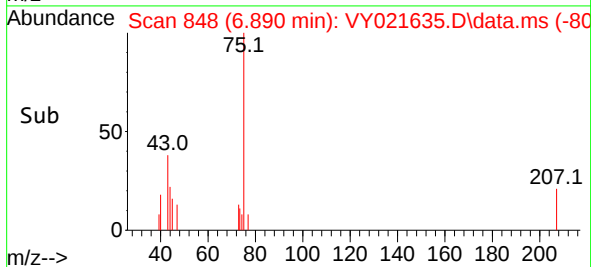
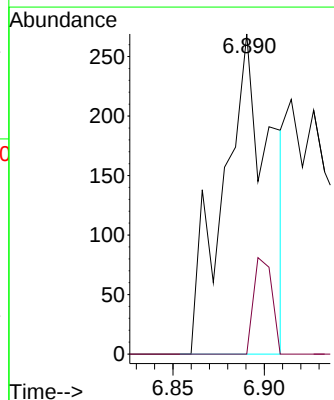
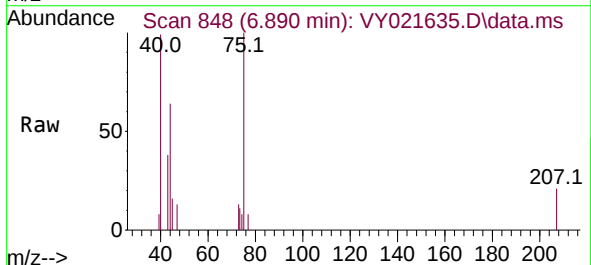
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

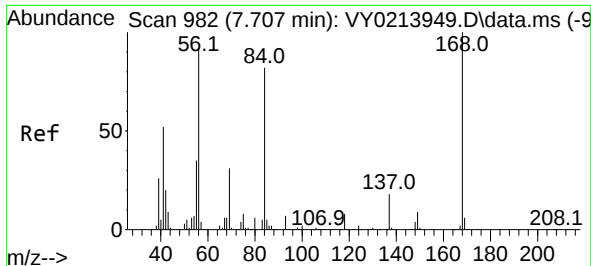
Tgt Ion: 84 Resp: 680
Ion Ratio Lower Upper
84 100
49 68.0 102.0 153.0#
51 58.8 33.0 49.6#
86 48.3 50.5 75.7#



#25
2-Butanone
Concen: 3.204 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

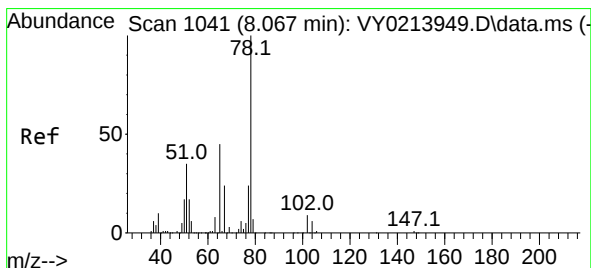
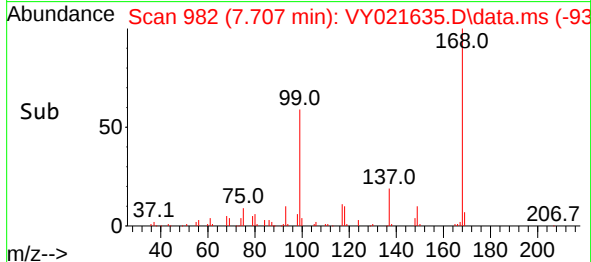
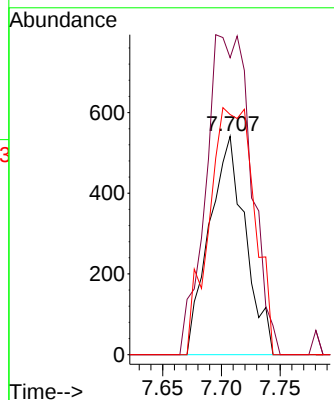
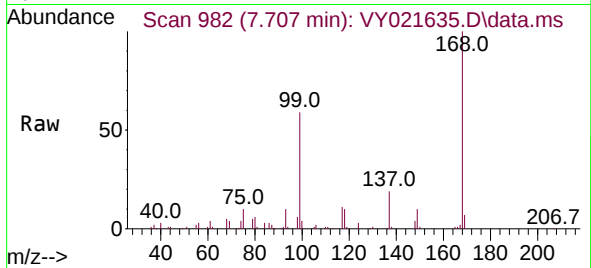




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

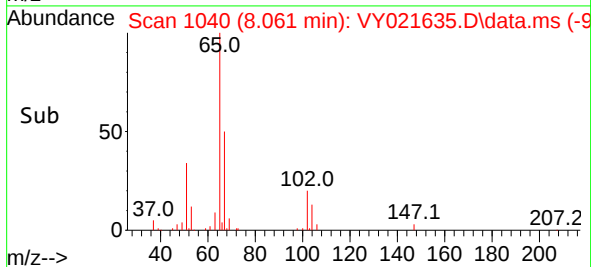
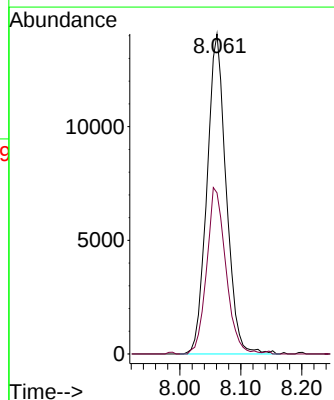
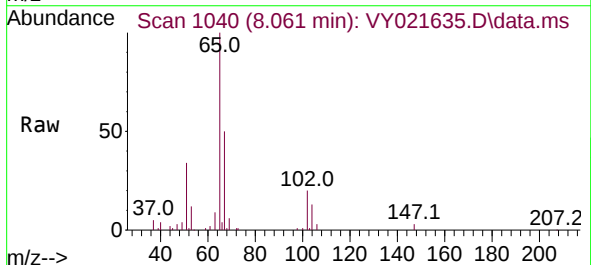
Instrument :
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ClientSampleId :
WC-4-VOC

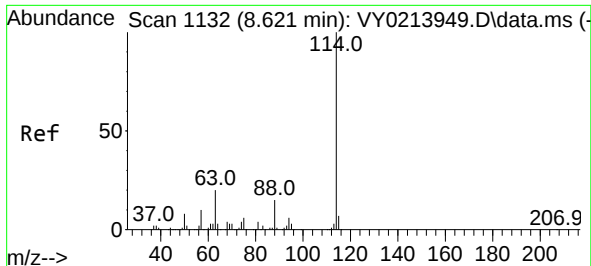
Tgt Ion: 56 Resp: 1154
Ion Ratio Lower Upper
56 100
69 136.0 27.0 40.4#
84 110.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.530 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 65 Resp: 30809
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.8

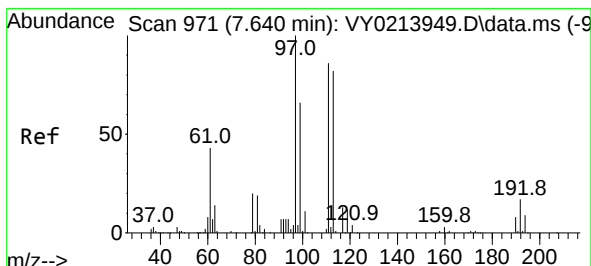
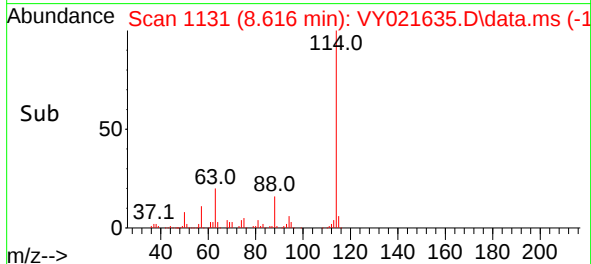
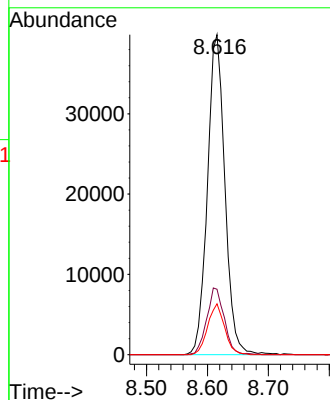
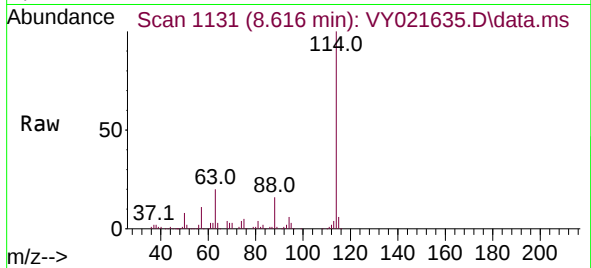




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

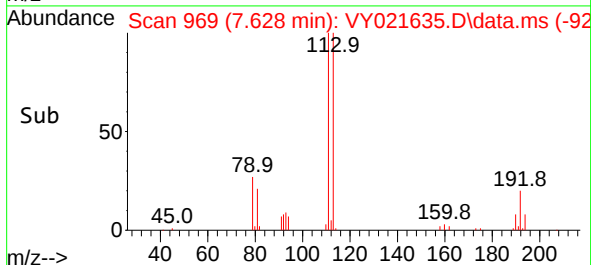
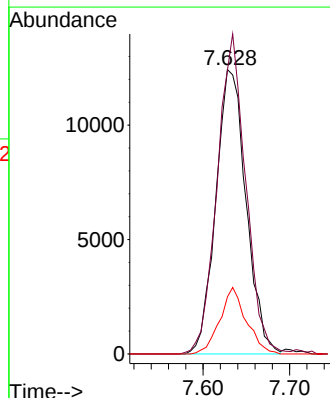
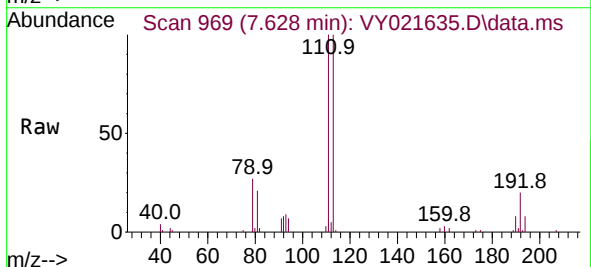
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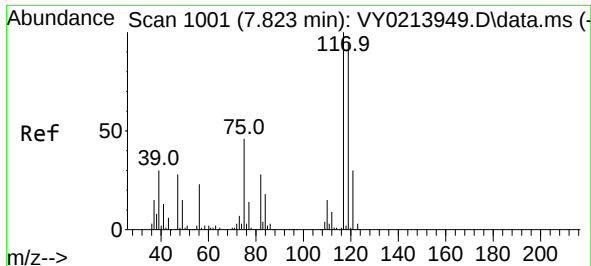
Tgt Ion:114	Resp:	79432
Ion Ratio	Lower	Upper
114	100	
63	20.5	0.0 40.8
88	15.9	0.0 30.8



#35
Dibromofluoromethane
Concen: 57.807 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion:113	Resp:	30182
Ion Ratio	Lower	Upper
113	100	
111	106.0	82.0 123.0
192	20.4	15.9 23.9

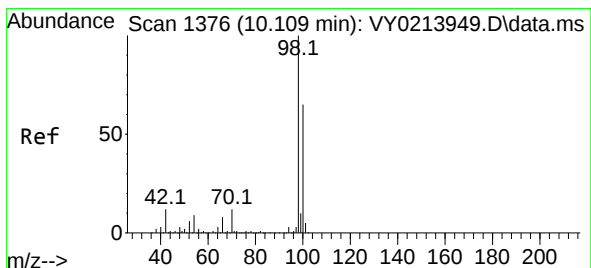
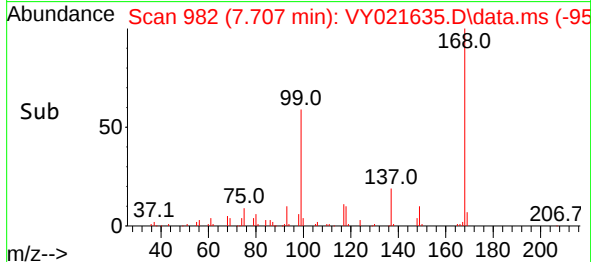
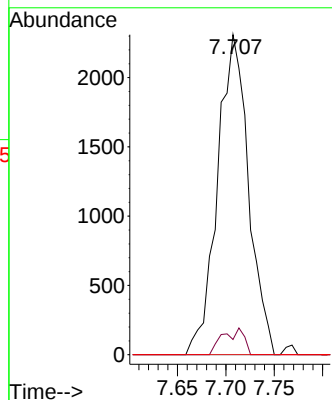
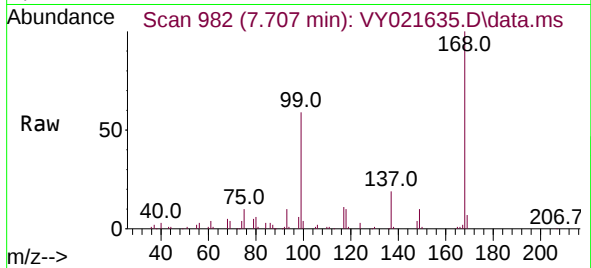




#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

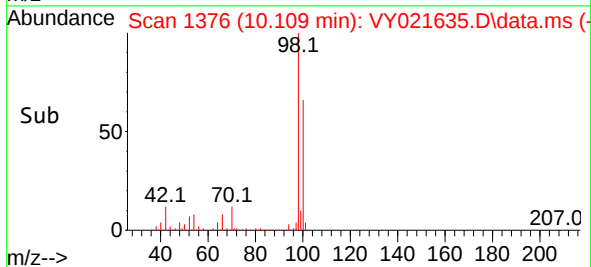
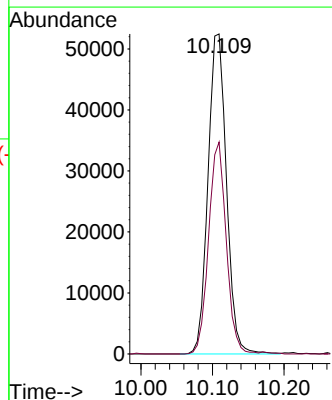
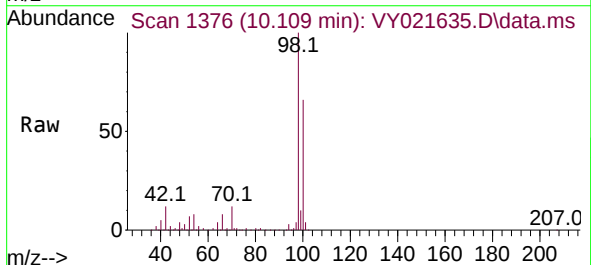
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

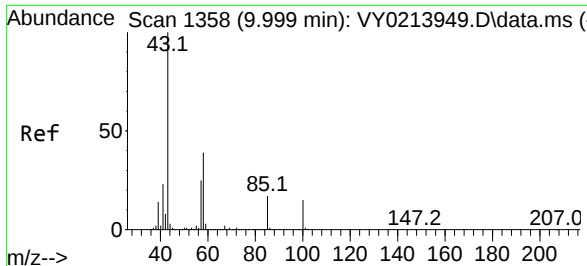
Tgt Ion:117 Resp: 5162
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.607 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 98 Resp: 94114
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1

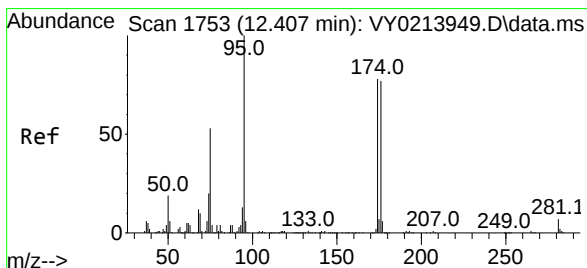
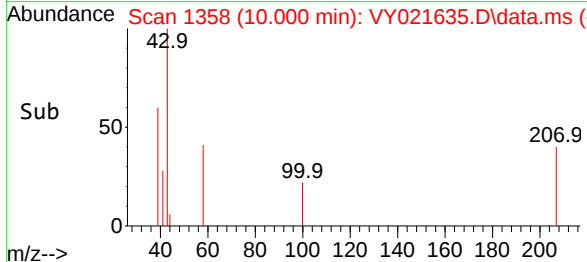
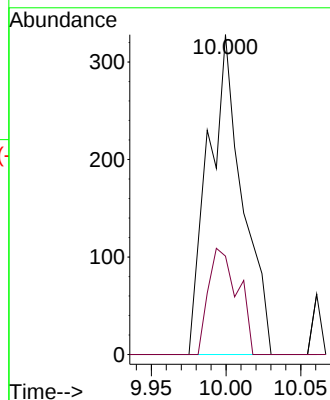
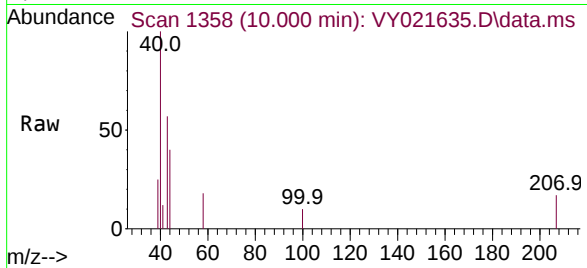




#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.000 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

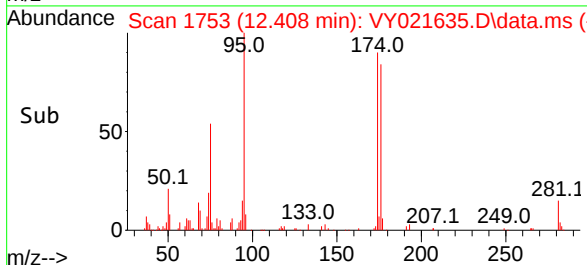
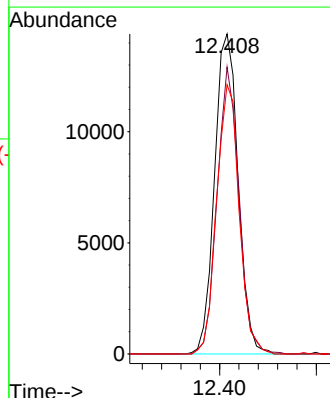
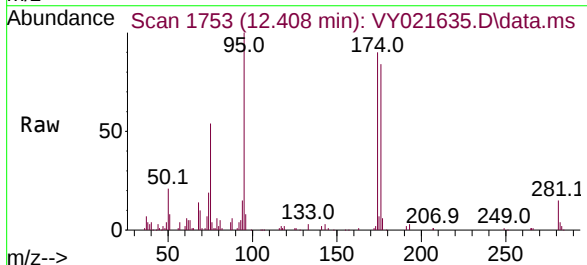
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

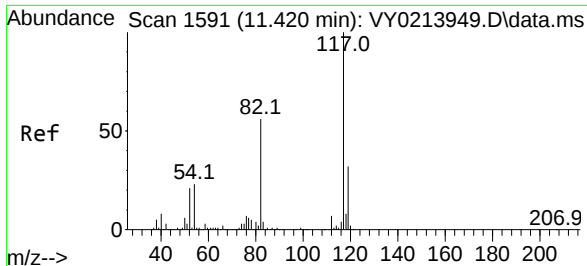
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 28.7 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 36.166 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 95 Resp: 24320
Ion Ratio Lower Upper
95 100
174 82.9 0.0 165.0
176 80.6 0.0 160.0

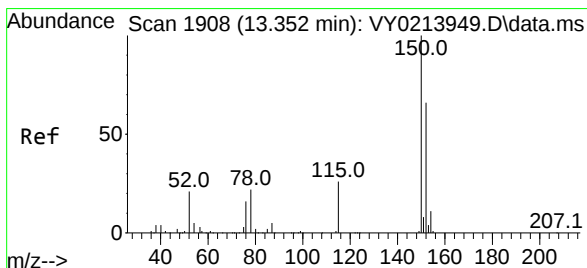
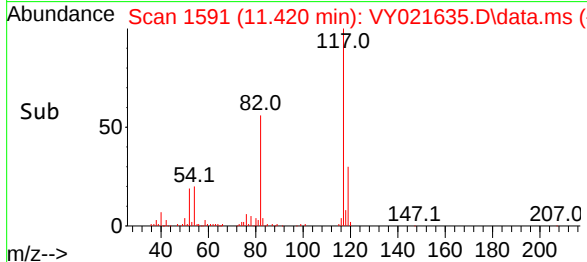
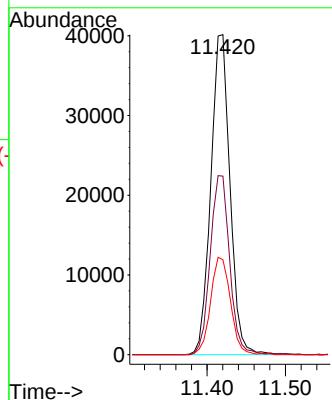
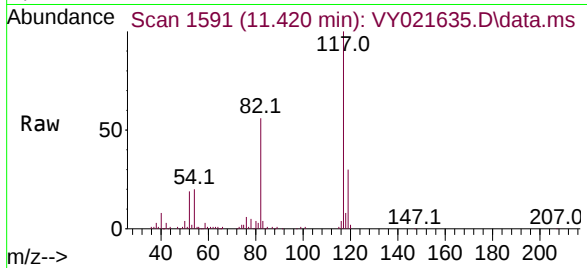




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

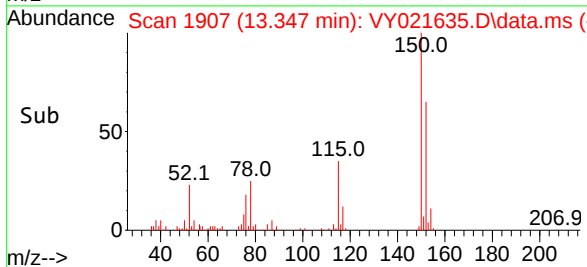
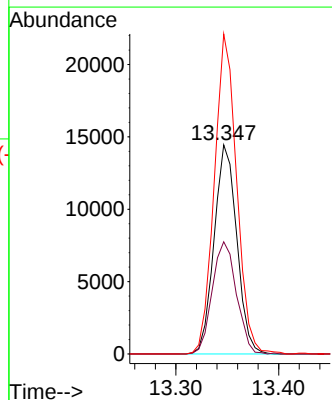
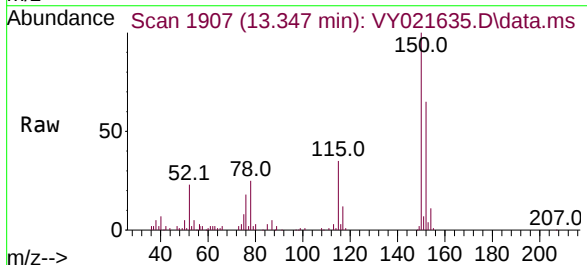
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

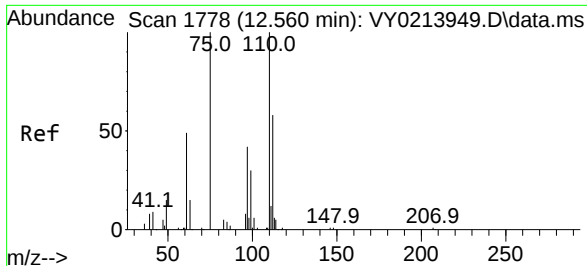
Tgt Ion:117 Resp: 68284
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 29.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion:152 Resp: 22149
Ion Ratio Lower Upper
152 100
115 57.2 29.0 87.0
150 150.8 0.0 347.2

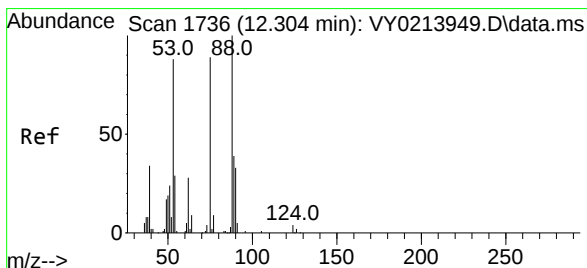
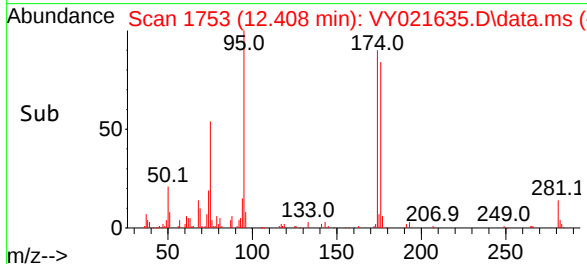
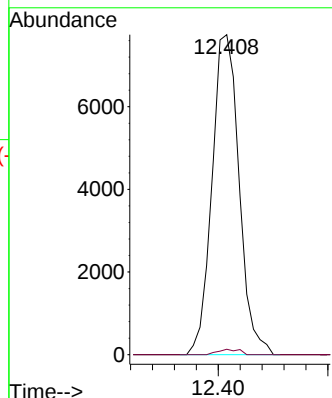
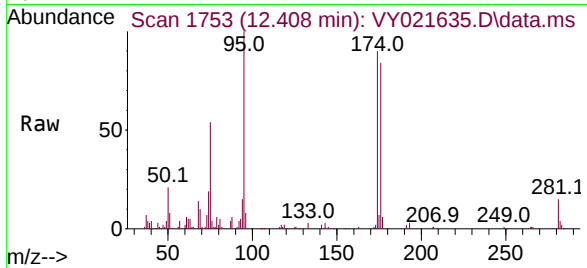




#76
1,2,3-Trichloropropane
Concen: 59.581 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

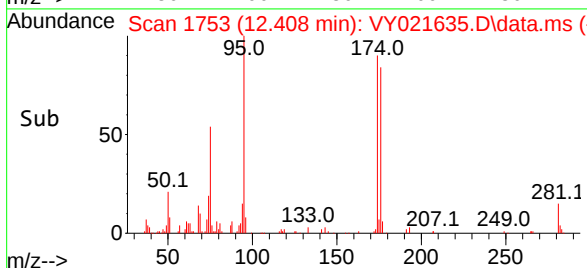
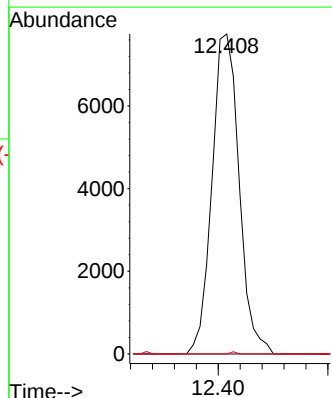
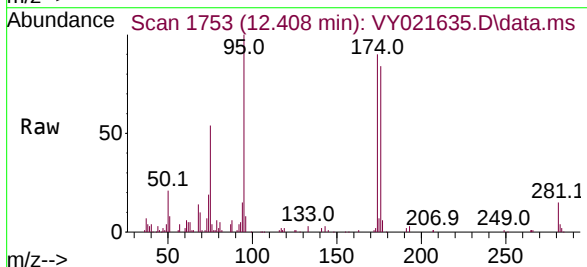
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

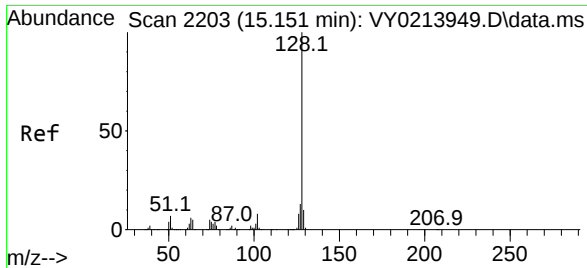
Tgt Ion: 75 Resp: 13298
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.446 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021635.D
Acq: 25 Mar 2025 14:59

Tgt Ion: 75 Resp: 13298
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.1 36.9 55.3#





#95

Naphthalene

Concen: 1.629 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021635.D

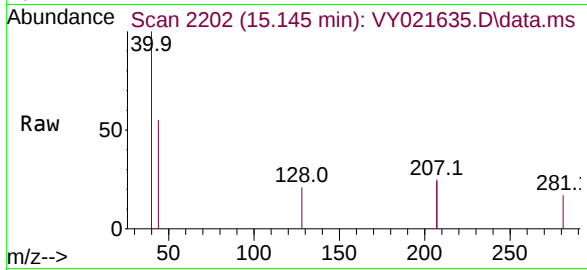
Acq: 25 Mar 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC



Tgt Ion:128 Resp: 108

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

